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Abstract

^{present}
 a The invention relates to a sheet metal member
 having an annular peripheral wall and a method of
 a thickening an annular peripheral wall of the ^{sheet metal} member. In
 a 5 ~~The~~ ~~the invention, the~~ thickness of the annular peripheral
 wall is increased to be 2 or more times or 3 or more
 times that of a base plate. Teeth for a timing toothed
 belt, a gear, or the like are cut in the annular pe-
 ripheral wall which is thickened in this way. In the
 10 method of thickening an annular peripheral wall of the
 a ^{present} ~~invention,~~ a base plate integrally having a flange-
 shaped portion is held between a circular bottom pat-
 tern tool and a circular top pattern tool, the flange-
 a shaped portion which ^{projects outwardly} ~~is projected outside~~ and the
 15 circular top pattern tool is sequentially pressed in a
 radially inward direction by annular forming faces of
 circular rollers of plural kinds, thereby thickening
 a the flange-shaped portion. ^{The} ~~and the~~ flange-shaped por-
 tion is then formed into a cylindrical shape which is
 20 concentric with the base plate. According to the meth-
 od, it is not required to separately produce the pe-
 ripheral wall and the base plate and then weld them
 a ~~together. The~~
 a ~~with each other, and the~~ peripheral wall can be pro-
 vided with ^{The} a strength required for cutting teeth in the
 25 peripheral wall.